

APPARATUS AND METHOD FOR PROCESSING DATABASE QUERIES

ABSTRACT OF THE DISCLOSURE

Multiple database queries are satisfied with the same data in a manner that assures
5 the data is current and without having to interrogate the database for each query. In a first
embodiment, all queries that are received during the processing of a first query are
evaluated to determine whether the result set returned for the first query will satisfy the
queries received during processing of the first query. If so, the result set returned for the
first query is used to generate result sets for the subsequent compatible queries received
10 during the processing of the first query. In a second embodiment, queries are delayed and
grouped, and a new query is then processed for each group that returns a result set that
satisfies all of the queries in the group. In both cases, the result set for one query is used
to generate a result set for a different query.